

ECOCA

SJ-SERIES

SJ- 460x1000G/1840G



FEATURES

ECOCA has built lathes to the highest quality standards since 1980. We are a true lathe builder. We manufacture high speed precision lathes. CNC flatbed lathes and CNC turning centers. We employ the latest manufacturing and testing equipment--providing the machinist with unmatched reliability and unmatched quality. As the builder of these fine lathes, we take exceptional pride and feel obligated to produce a high quality lathe that is also an exceptional value.

- High quality Meehanite cast bed with induction hardened and precision ground guideways.
- Single speed motor provides power to all gear ranges.
- High stiffness spindle arrangement mounted on high precision taper roller bearings and a single ball bearing rear support.
- High rigidity one piece cast base.
- Adjustable "IN FEED" load device on apron for cutting force adjustment.

- Latched, lever operated spindle start/apron.
- Adjustable spindle balancing feature for irregular shaped workpieces.
- High rigidity tailstock.
- Universal gearbox, providing a comprehensive range of inch and metric threads without changing the machine end train gears. Dial indicator for multi-start threading.
- Automatic "STOP/OFF" device with adjustable saddle stops for turning to shoulders.

MACHINE SPECIFICATIONS

HIGH SPEED PRECISION LATHES

	410x760G (1630G)	410x1000G (1640G)	410x1500G (1660G)	460x760G (1830G)	460x1000G (1840G)	460x1500G (1860G)	510x760G (2030G)	510x1000G (2040G)	510x1500G (2060G)	560x1500G (2260G)	660x1500G (2600G)	660x2000G (2680G)	660x3000G (26120G)	
Swing Over Bed	410mm (16")			460mm (18")			510mm (20")			560mm (22")			660mm (26")	
Swing Over Cross Slide	222mm (8-3/4")			258mm (10-1/5")			310mm (12-1/2")			339mm (13-1/2")			433mm (17")	
Distance Between Centers	760mm (30")	1016mm (40")	1524mm (60")	760mm (30")	1016mm (40")	1524mm (60")	760mm (30")	1016mm (40")	1524mm (60")	1524mm (60")	1524mm (60")	2032mm (80")	3024mm (120")	
Swing Over Gap	620mm (24-3/8")			670mm (26-3/8")			720mm (28-1/3")			785mm (31")			890mm (35")	
Width of Bed	300mm (11-3/4")			350mm (13-3/4")			350mm (13-3/4")			350mm (13-3/4")			400mm (15-3/4")	
Spindle Nose	ASA D1-6 (or ASA A2-6)			ASA D1-8 (or ASA A2-8)			ASA D1-8 (or ASA A2-8)			ASA D1-8 (or ASA A2-8)			ASA D1-11 (or ASA A2-11)	
Spindle Bore	58mm (2-9/32")			58mm (2-9/32")			58mm (2-9/32")			82mm (3-3/8")			105mm (4-1/8")	
Taper of Spindle Bore	MT6			MT6			MT6			MT6			MT7	
Range of Spindle Speed	20-2000 rpm (12 changes)			20-2000 rpm (12 changes)			20-2000 rpm (12 changes)			20-2000 rpm (12 changes)			15-1500 rpm (12 changes)	
Inch Threads Range	4-56 T.P.I.			4-56 T.P.I.			4-56 T.P.I.			4-56 T.P.I.			2-56 T.P.I.	
Metric Threads Range	P0.5-P7			P0.5-P7			P0.5-P7			P0.5-P7			P0.5-P14	
Longitudinal Feeds Range	0.05-0.82mm (0.002"-0.032")			0.05-0.82mm (0.002"-0.032")			0.05-0.82mm (0.002"-0.032")			0.05-0.82mm (0.002"-0.032")			0.05-0.82mm (0.002"-0.032")	
Cross Feeds Range	0.02-0.4mm (0.001"-0.0094")			0.02-0.4mm (0.001"-0.0094")			0.02-0.4mm (0.001"-0.0094")			0.02-0.4mm (0.001"-0.0094")			0.02-0.4mm (0.001"-0.0094")	
Leadscrew Diameter	35mm (1-3/8")			35mm (1-3/8")			35mm (1-3/8")			35mm (1-3/8")			38mm (1-1/2")	
Leadscrew Pitch	6mm (or 4 T.P.I.)			6mm (or 4 T.P.I.)			6mm (or 4 T.P.I.)			6mm (or 4 T.P.I.)			6mm (or 4 T.P.I.)	
Tailstock Quill Taper	MT4			MT4			MT4			MT4			MT5	
Tailstock Quill Travel	127mm (5")			127mm (5")			127mm (5")			127mm (5")			165mm (6-1/2")	
Quill Diameter	58mm (2-1/4")			58mm (2-1/4")			58mm (2-1/4")			58mm (2-1/4")			58mm (2-1/4")	
Main Drive Motor	SHP (3.75kw)			SHP (3.75kw)			SHP (3.75kw)			SHP (3.75kw)			SHP (3.75kw)	
Coolant Pump	1/8HP (0.1kw)			1/8HP (0.1kw)			1/8HP (0.1kw)			1/8HP (0.1kw)			1/8HP (0.1kw)	
Max. Travel of Top Slide	125mm (4.9")			125mm (4.9")			125mm (4.9")			125mm (4.9")			200mm (7.8")	
Max. Travel of Cross Slide	250mm (9.8")			250mm (9.8")			250mm (9.8")			250mm (9.8")			300mm (11.8")	
Floor Space (LxWxH)(cm)	191x81x117	216x81x117	267x81x117	191x81x122	216x81x123	267x81x123	191x81x124	216x81x124	267x81x124	279x99x125	279x99x130	345x102x130	447x102x130	
Packing Dimension (LxWxH)(cm)	198x94x160	223x94x160	279x94x160	198x94x160	223x94x160	279x94x160	198x94x160	223x94x160	279x94x160	290x114x166	290x114x166	366x120x166	460x120x166	
Net Weight	1550 kgs	1600 kgs	1850 kgs	1600 kgs	1650 kgs	1900kgs	1650kg	1700kg	1950kg	2400 kg	2450 kg	2850 kg	3350 kg	

*All Specifications Above Are Subject To Change Without Notice.

MACHINE SPECIFICATIONS

HIGH SPEED PRECISION LATHES

STANDARD ACCESSORIES

- Tool Box 1pc
- Centers 2pcs
- Center sleeve 1pc
- Safety pin 1set
- Screw wrench for cutter setting 1pc
- Back plate 1pc
- Steady rest 1pc
- Coolant system 1set
- 4-way tool post 1set
- Auto-feed stopper ring 1set

OPTIONAL ACCESSORIES

- 3-jaw scroll chuck
- 4-jaw independent chuck
- Face plate
- Follow rest
- Work light
- 4-position carriage stop
- Micro carriage stop
- Live centers
- Rear cutter rest
- Taper turning attachment
- Rear splash guard
- Chuck guard
- American tool post
- Change gears for D.P and module thread
- 5C lever collet closer
- Driving plate
- Quick change tool post
- Digital readouts
- Hydraulic copying device
- Chip guard
- Rapid traverse (for 660X3000G only)

PLEASE INDICATE THE FOLLOWING SPECIFICATIONS ON YOUR ORDER

- Lead screw and reading dial in imperial (inch) or metric (mm)
- Left-hand or right-hand apron hand wheel

OPTIONAL ACCESSORIES

